

VRANOVSKY, P.

"Machine-Tractor Stations Have Great Responsibility for Further Development of Collective Farms." p. 321,  
(MECHANISACE ZEMEDELSTVI, Vol. 4, No. 17, Sept. 1954, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4  
No. 5, May 1955, Uncl.

VRAMESVIC, L.D.

Novi Sad; a lecture. p. 59  
(GLASNIK, Vol. 11, No. 11, 1956 (Published 1957)

SO: Monthly List of East European Accession (EEAL) IC Vol. 6, No. 12, Dec. 1957  
Uncl.

YUGOSLAVIA/Human and Animal Physiology. Metabolism

T-2

Abs Jour : Ref Zhur - Biol., No 14, 1958, No 64913

Author : Rabadzhija Z., Alegretti N., Vranic M.

Inst : -

Title : The Content of Protein, Fat and Glycogen in the Livers of  
Normal and Castrated Rats

Orig Pub : Glasnik biol. sek. Hrvatsko prirodosl. drustvo, 1953,  
(1955), Ser. 2B, 7, 298

Abstract : Castration resulted in hypertrophy of the insular tissue of  
the rat pancreas. Four weeks after castration, the water  
and fat content of the livers of male rats was reduced, and  
the amount of glycogen was increased; the liver content of  
these substances in female rats did not change.

Card : 1/1

5

VRANIC, V.

Dr. K. Orlov's Fundamentals of Practical Spectral Arithmetic and Algebra; a review of a handbook. p.2781  
(GLASHNIK, Vol. 11, No. 3/4 1956 (Published 1957)

SO: Monthly List of East European Accessions (EHAL) LC Vol. 6, No. 12, Dec. 1957  
Uncl.

VRAMOVSKY, M; ERNI, M

"List of Cladocera found on the Great Schutt, 1953-1957"

BIOLOGIA, Bratislava, Czechoslovakia, Vol. 13, no. 6, 1958

"Monthly list of East Europe Accessions (EEAI), LC, Vol. 8, No. 6, Sept 59  
Unclassified

VRANSKA, TS.

Denomination of abstract concepts in the works of Bulgarian  
and Macedonian oral folk poetry. p. 267.  
IZVESTIIA NA ETNOGRAFSKIIA INSTITUT S MUZEI. Vol. 2, 1955.  
Soflia, Bulgaria

SOURCE: East European Accessions List, (EEAL) Library of  
Congress, Vol. 6, No. 1, January 1957

BACHKOVSKI, I., d-r, prof. [Backovsky, J.]; VRANSKI, V., d-r [translator]

The resolving power in the X-ray spectroscopy. Izv fiz atom  
BAN 10 no.2:5-12 '62.

1. Chl.-kor. na ChSAN (for Bachkovski).

VRANSKI, V.

Biophysics and modern medicine. Suvr. med. (Sofiiia) 16 no.10:  
587-597 ' 65.

VRANSKI, V.; AIDEMERSKI, P.

"Distribution of the temperature of the water in the Stalin Dam during the summer season."

KHIDROLOGIJA I METEOROLOGIJA., Sofiia, Bulgaria., No. 2, 1959

Monthly list of EAST EUROPEAN ACCESSIONS (EEAI), LC, Vol. 8, No. 7, July 1959, Unclassified

VRANSKI, V., Dots.; IVANOV, Vl., kand. po med. nauki

Treatment of psychoses with electronarcosis. Suvrem. med.,  
Sofia 7 no.10:78-80 1956.

1. Iz Katedrata po fizika i geodeziia pri VSSI G. Dimitrov -  
Sofia (Zav. katedrata: dots. V. Vranski) i Katedrata po  
nervni bolesti pri VMI-Sofia (Vr. zav. katedrata: prof.  
G. Uzunov).

(PSYCHOSES, ther.

electric sleep)

(SLBEP, ther. use

electric sleep in psychoses)

VRANSKI, VIKTOR

2

Meteorological Abst.  
Vol. 4 No. 4  
April 1953  
Part 1  
Compendium Articles and  
Works of Special Interest.

4.4-14 551.577.2 3(497.2)  
"Vranski, Viktor, Razpredelenie na vlezhiite v B'lgariia. [Rainfall distribution in Bulgaria.] Sofia, Drzhavna Pechatnitsa, 1945. 2 v. figs., fold. maps, tables. In Bulgarian. German summary p. 370-399. (Bulgarska Akademija na Naukite, Sofia.) DWB  
A monumental work on precipitation distribution (variations in space and time) in Bulgaria based on all the available statistical data, for 1899-1936. Series of tables and charts, many of them large and in color are included. The most important works on precipitation in Bulgaria are reviewed. The theory of precipitation formation is explained at great length, and the methods of compiling and analyzing the data elaborated. Then mean monthly precipitation and percentage of annual in each month for each of 282 stations are given in separate tables and graphs. The annual variations, regional peculiarities, a list of stations with coordinates and old and new names, etc. are included. Subject Headings: 1. Precipitation distribution. 2. Precipitation variations. 3. Bulgaria. M.R.

VRANSKI, V.

Markov, P., Vranski, V., Peeva, A. "The Penetration of Daylight into Stalin Lake." p. 147 (GODISHNIK, MATEMATIKA I FIZIKA, Vol. 47, no. 1, pt. 2, 1950/51-1951/52, Sofiya.)

SO: Monthly List of East European Accessions, Vol. 3, No. 3, Library of Congress,  
March 1954, Uncl.  
1954

VRANSKI, V.

VRANSKI, V., dota.; IVANOV, Vl.; KASABOV, Iv.; MARINOV, V.; KORUEVA, L.

Experimental studies on the possibility of production of electrically induced sleep and of electrenarcosis; preliminary communication.  
Suvrem. med., Sofia 5 no.1:21-24 1954.

1. Iz Instituta po meditsinska fizika pri Meditsinskata akademii  
I.P.Pavlov, Plovdiv (direktor: dota. V.Vranski) i Klinikata po  
nervni bolesti pri Meditsinskata akademia V.Chervenkov, Sofia  
(direktor: prof. G.Uzunov)

(SLNEP,  
\*electric induction)  
(ELECTRONARCOSIS,)  
\*

VRANSKI, V.K.; BUDUROVA, L.B.; IVANOV, Iv. Em.

A normal erythrogram. Suvr. med. 16 no.12:743-747 '65.

1. Tsentralna biofizichna laboratoriya, Vissh meditsinski  
institut (rukoveditel - dotsent V.K. Vranski), Sofiia.

"APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R001961210014-6

VRANSKI, Viktor K.dots. dr. kandidat na fiziko-matematicheskite nauki

Standardization is necessary for physical magnitudes and units.  
Ratsionalizatsiia 11 no.10:26-29 '61.

APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R001961210014-6"

43009

8/194/62/000/010/014/084  
A154/A126

AUTHORS: Konečny, Miroslav, Vraný, Josef

TITLE: A device for discrete (stepwise) tape transport (shift)

PERIODICAL: Referativnyy zhurnal, Avtomatika i radioelektronika, no. 10, 1962,  
39 - 40, abstract 10-1-78u (Czech. pat., cl. 42g, 18; 42m, v. 14,  
no. 98996, March 15, 1961)

TEXT: A patent is granted for a device for discrete tape transport, e.g.,  
of perforated tape, for a digital computer. The device is distinguished by  
higher operating speed and simplicity of design. The essence of the invention  
(see Figure) consists in the use of an electromagnetic catch (10) serving to  
transport the tape (40) and brake its motion when the armature (11) is pulled up  
under the effect of current flowing in the winding (12). The tape is transported  
by means of the driving rollers (41) and (42) and the rigid pins (33), (33),  
between which rotates the Journal (32), which is mounted on the lever (31) cou-  
pled with the driving axle (30) of the electric motor (not shown in the figure).  
The punch or printer (43) is placed before the tape transport mechanism. The

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3/194/62/000/010/014/014  
A154/A126

A device for discrete (stepwise) tape ....

driving axle (30) is connected with the switch (34) which connects the current supply circuit (35) to the winding (12) of the electromagnet (10) depending on the position of the journal (32). When the journal (32) is in positions such as are shown in the figure, the tape (40) is bent, the circuit of the winding (12) is closed, and the tape (40) is squeezed between the core of the electromagnet (10) and its armature (11), so that tape is fed from the spool (45). Upon movement of the journal (32), the circuit of the winding (12) is broken and the tape is transported. To ensure correct punching (or printing of symbols) on the tape (40) immediately after breaking of the circuit of the winding (12), the tape (40) is fed into the arrangement through a guide slit (44) which brakes it slightly (the tape braking force in the slit (44) is slightly less than the tractive force produced by the rollers (41) and (42)). In an alternative system for this arrangement there is instead of the slit (44) a braking electromagnet whose winding is cut-in through the switch (34) analogously to the one described.

I.P.

[Abstracter's note: Complete translation]

Card 2/3

VRANY, J.: TLUSTY, Z.: VACHA, V.

"F. Kubat and B. Sedivy's Produktivita prace a zpusoby jejeho zvysovani v zemedelsti (Labor Productivity and Methods of Its Improvement in Agriculture); a book review."

Sbornik. Rada Zemedelska Ekonomika. Praha, Czechoslovakia. Vol. 32, no. 1, Jan 1959

Monthly list of East European Accessions (EEAI), LC, Vol. 8, No. 6, Jun 59, Unclass

VRANY, J.; MACURA, Jiri

Influencing the microflora of plant root surface by antibiotics.  
Rost výroba 9 no. 7/8:702-706 Jl-Ag '63.

1. Mikrobiologicky ustav, Československa akademie ved, oddeleni  
půdní mikrobiologie, Praha,

VRANY, J.; VANCURA, V.; MACURA, J.

Effect of foliar application of some readily metabolized substances, growth regulators and antibiotics on rhizosphere microflora. Polia microbiol. 7 no.1:61-70 '62.

1. Department of Soil Microbiology, Institute of Microbiology,  
Czechoslovak Academy of Sciences, Prague 6.  
(ANTIBIOTICS pharmacol) (GROWTH SUBSTANCES pharmacol)  
(BACTERIA pharmacol)

VRANY, J.

Occurrence of bacteria assimilating benzoic acid and p-hydroxybenzoic acid in cereal rhizosphere and in soil. Folia microbiol 5 no.2:116-119 Mr '60.  
(EEAI 9:7)

1. Department of Microbiology, Institute of Biology, Czechoslovak Academy of Sciences, Prague.

(BACTERIA)

(HYDROXYBENZOIC ACID)

(BENZOIC ACID)

(SOILS)

(RHIZOSPHERE)

VRANY, J

"Changes in the content of humus substances extractable with alkali  
during the conversion of vegetable residue in podsol and chernozem."

CESKOSLOVENSKA MIKROBIOLOGIE, Praha, Czechoslovakia, Vol. 3, no. 6, 1958

Monthly list of East Europe Accessions (EEAI), LC, Vol. 8, No. 6, Sept 59  
Unclassified

Distr: 4E3d/4E2c(j) 7

Isolation of maleic acid and phthalic acid from wastes from  
phthalic anhydride manufacture. Miroslav Vrany, Czech,  
85,914, Aug. 15, 1957. Dissolving 100 g. WASTES from the  
production of phthalic anhydride, contg. 46.6% phthalid

SB

acid (I) and 41.6% maleic acid, in 400 ml. hot H<sub>2</sub>O, boiling  
with 8 g. C, filtering while hot, sepp. 42.4 g. I, mixing the  
mother liquors with 25 g. fresh cyclopentadiene, and sepp.  
the product gives 81.8 g. 3,6-methylene-4-tetrahydro-  
phthalic acid, m. 170-1°, contg. less than 0.5% f., which is  
worked up as usual. L. J. Urbánek

4  
2 May  
2

29

15.8.110  
S/081/62/000/015/029/038  
B168/B101

AUTHORS: Vrany, Miroslav, Pokorný, Stanislav

TITLE: A method of producing unsaturated polyester resins

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 15, 1962, 569, abstract  
15P232 (Czechoslovak Patent 95129, May 15, 1960)

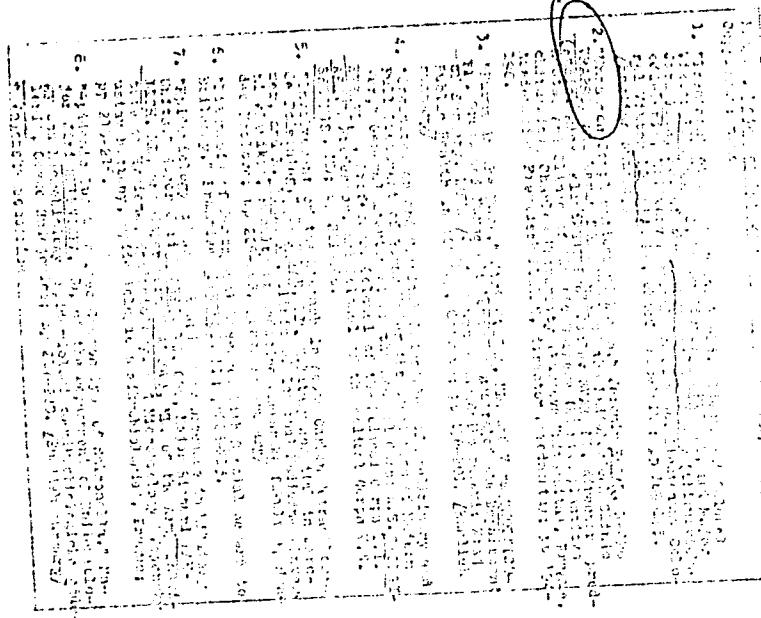
TEXT: Multivalent unsaturated and saturated acids, or their derivatives, were esterified by means of multivalent alcohols and were hardened by copolymerization with unsaturated monomers. Saturated chlorinated addition products (Diels-Alder synthesis) of conjugated dienes with maleic or fumaric acid, or their derivatives, were used as acids. These were used either alone or mixed with ordinary acids and their derivatives. The polyesters obtained, or mixtures of them with other substances of high molecular weight, were hardened either at ordinary or at raised temperature in the presence of the usual initiators. Hard gloss coats based on these resins have limited flammability, good fungicidal and insecticidal properties as well as increased heat resistance. The new polyesters combine well with different substances. Example: 98 g maleic anhydride, 535 g anhydride of 4,5-dichlorocyclohexane-1,2-dicarboxylic acid and

Card 1/2

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CIA-RDP86-00513R001961210014-6

VRAPEC, R.

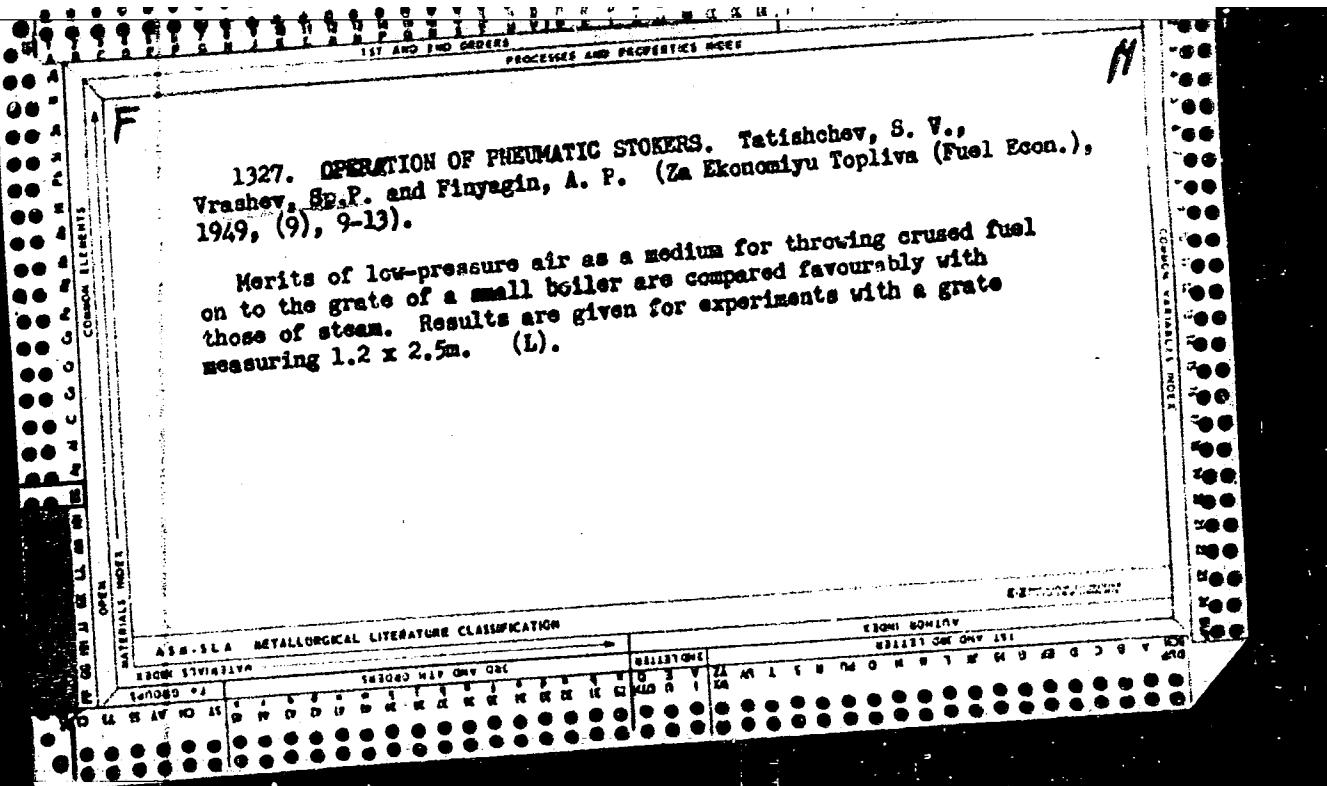


APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R001961210014-6"

1327. OPERATION OF PNEUMATIC STOKERS. Tatishchev, S. V.,  
Vrashev, S. P. and Finyagin, A. P. (Za Ekonomiyu Topliva (Fuel Econ.),  
1949, (9), 9-13).

Merits of low-pressure air as a medium for throwing crushed fuel on to the grate of a small boiler are compared favourably with those of steam. Results are given for experiments with a grate measuring  $1.2 \times 2.5$ m. (L).



VRASHEV, S.P.; LETNIK, A.L.; SHIFRIN, D.M.

[Machinery] Mashinovedenie. Moskva, Mashgiz, 1954. 463 p.  
(MLRA 8:2D)

1ST AND 2ND STAGES PROCESSES AND PROPERTIES MOST		3RD AND 4TH STAGES	
F		22	
<p>4166. BASIC SCHEMES FOR PROVIDING POWER OPERATION TO HAND FIRED GRATES.</p> <p>Tatishhev, SV., Vashchuk, SP and Liberman, NB and Liberman, NB. (Za Ekon Topliva (Fuel Econ.), 1949, (12), 3-6).</p> <p>Descriptions with diagrams, of seven different schemes for feeding coal in controlled quantities to furnaces which have been converted from firing. The following features are common to all schemes: rocking fire bars with their major axes perpendicular to the front of the furnace; a guide plate inclined at 50-60° to the horizontal down which the fuel falls, on to a distributing plate 750 mm to more above the front of the grate; and air at 100-150mm head of water to blow the fuel off this plate and spread it over the grate. The seven schemes for feeding fuel to the top of the guide plate are: (1) screw feed from hoppers in floor, (2) scraper conveyor from hopper in floor, and the following for feeding from raised hoppers; (3) scraper, (4) plunger, (5) drum, (6)</p>			
ASS-81A METALLURGICAL LITERATURE CLASSIFICATION			
SECOND SUBDIVISION		EXPLANATION	
SECOND MAIN GROUP		SECOND SUBDIVISION	
SUBDIVISIONS		SUBDIVISIONS	

"APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R001961210014-6

screw and (7) hanging chain.

(L)

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CIA-RDP86-00513R001961210014-6"

VRASHEV, S.P., inzhener; LETNIK, A.L., dotsent; SHIFRIN, D.M., inzhener;  
TAREYEV, V.M., professor, doktor tekhnicheskikh nauk, redaktor;  
KORHEYCHUK, N.K., kandidat tekhnicheskikh nauk, retsenzent; LUKIN,  
I.P., kandidat tekhnicheskikh nauk, retsenzent; NEJ'SON-SKORYAKOV,  
F.B., professor, laureat Stalinskoy premii, doktor tekhnicheskikh  
nauk, redaktor; POPOVA, S.M., tekhnicheskiy redaktor

[Study of machinery] Mashinovedenie. Pod red. V.M.Tareeva. Moskva,  
Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1954. 463 p.  
(Mechanical engineering) (MLR 8:4)

25(2)

PHASE I BOOK EXPLOITATION SOV/2942

Vrashev, Sergey Pavlovich, Engineer; Aleksandr L'vovich Letnik, Docent; and  
Daniil Moiseyevich Shifrin, Engineer

Mashinovedeniye (Machine Science) 2d ed., rev. and enl. Moscow, Mashgiz,  
1959. 483 p. 70,000 copies printed.

Reviewer: A.N. Sherstyuk, Candidate of Technical Sciences; Eds.: V.M.  
Tareyev, Doctor of Technical Sciences, Professor, and Yu. V. Kvirkovskiy,  
Candidate of Technical Sciences; Tech. Ed.: B.I. Model'; Managing Ed.  
for Literature on Machine and Instrument Construction (Mashgiz):  
N.V. Pokrovskiy, Engineer.

PURPOSE: This textbook is intended for students of teknikums taking the  
course. Machine Science.

COVERAGE: This textbook contains basic information on hydraulics, engineering  
thermodynamics, and the theory of heat transfer. Included are the working  
principles, arrangement, and construction of pumps, hydraulic turbines,  
steam boilers, furnaces, compressors, air blowers, steam engines, steam  
turbines, internal combustion engines, gas turbines, and jet engines.

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Machine Science

SOV/2942

Basic information is also given on atomic power and the design and construction of thermal power stations. No personalities are mentioned. There are 76 references, all Soviet.

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25(2)

PHASE I BOOK EXPLOITATION

SOV/2181

~~Vrashev, Sergey Pavlovich, Engineer, Aleksandr L'vovich Letnik, Doctor, and Daniil Moiseyevich Shifrin, Engineer~~

Mashinovedeniye (Science of Mechanical Engineering) Moscow, Mashgiz, 1956. 463 p. 80,001-155,000 copies printed.

Ed. (Title page). V.M. Tareyev, Doctor of Technical Sciences, Professor; Ed. (Inside book): F.B. Nel'son-Skornyakov, Laureate of the Stalin Prize, Doctor of Technical Sciences, Professor; Reviewers: N.K. Korneychuk, Candidate of Technical Sciences, and I.P. Lukin, Candidate of Technical Sciences; Tech. Ed.: S.M. Popova; Managing Ed. for Literature on Machine Building and Instrument Making: N.V. Pokrovksiy, Engineer.

PURPOSE: The book is a textbook for the course, Science of Mechanical Engineering, for teknikums in which the Science of Mechanical Engineering is taught as a general engineering course.

COVERAGE: The book presents basic information on hydraulics, en-

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Science of Mechanical Engineering

SOV/2181

gineering thermodynamics, and the theory of heat transfer. The operation and construction of turbines, pumps, steam boilers, furnaces, steam engines, steam turbines, and internal combustion engines are discussed. No personalities are mentioned. There are 41 references, all Soviet.

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AVAILABLE: Library of Congress

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AO/bg  
9-4-59

VRASHEV, Sergey Pavlovich, inzh.; LETNIK, Aleksandr L'vovich, dote.;  
SHIFRIN, Danil Moiseyevich, inzh.; TARKTEV, V.M., prof., doktor  
tekhn. nauk, red.; SHERSTYUK, A.N., kand. tekhn. nauk, retsenzent.;  
KVITKOVSKIY, Yu.V., kand.tekhn.nauk, red.; MODEL', B.I., tekhn. red.

[Machinery] Mashinovedenie. Izd. 2., dop. i perer. Moskva, Gos.  
nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1958. 483 p.  
(MIRA 11:12)

(Machinery)

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KNIZHNAYA LETOPIS  
No. 41, October 1956

CA

Measurement of double refraction in deformed rock salt.  
S. N. Vyski and D. B. Gopoberdiev (Univ. Leningrad).  
*Zhur. Tekh. Pis.* 17, 917-20 (1947); *Chem. Zentral.* (Russian  
Zone Ed.) 1948, II, 1200-1.—Measurements were made of  
the double refraction shown by NaCl crystals at varying  
distances from the point of application of pressure. Both  
the total double refraction and the residual and reversible  
values decreased with increasing distance from the point of  
application of the pressure. The piezoptic coeff. of the  
rock salt decreased with increasing wave length of the light  
used for pressure applied and observations made along both  
(100) and (110). A regular transition from double refrac-  
tion to deformation is to be assumed. On the other hand,  
the further transition from deformation to strain cannot be  
demonstrated as long as there are no exptl. data on the rela-  
tion between deformation and strain beyond the elastic  
limit in a given crystallographic direction. M. G. M.

VRASKIY, S.B.; SENA, L.A., prof., red.; GAL'CHINSKAYA, V.V.,  
tekhn. red.

[Theory of oscillations] Uchenie o kolebaniakh; ucheb-  
noe posobie dlja studentov zaochnogo i osnovnogo fakul'-  
tetov. Pod red. L.A.Sena. Leningrad, Leningr. elektron-  
tekhn. in-t sviazi, 1963. 94 p. (MIRA 17:1)

VRASKIY, S.B.; KLYATSKIN, I.G., prof., red.; GAL'CHINSKAYA, V.V.,  
tekhn. red.

[Physical foundations of the special theory of relativity;  
textbook for students] Fizicheskie osnovy chastnoi teorii  
otnositel'nosti; uchebnoe posobie dlja studentov. Pod red.  
I.G.Kliatskina. Leningrad, Leningr. elektrotekhn. in-t  
sviazi im. M.A.Bonch-Bruevicha, 1961. 100 p. (MIRA 17:2)

VRASKIY, S.B.; SHMAKOV, P.V., prof., otv.red.; GAL'CHINSKAYA, V.V.,  
tekhn.red.

[Fundamentals of colorimetry; textbook for a television course]  
Osnovy kolorimetrii; uchebnoe posobie po kursu televideniya.  
Pod red. P.V. Shmakova. Leningrad, Leningr.elektrotekhn.in-t  
sviazi, 1959. 59 p. (MIRA 13:10)  
(Color television) (Colorimetry)

SG 89

Vladimir S. B. Opticheskie svoistva morskoy vody [Optical properties of sea water]. Pravda Moscow, (112) 3-11 Dec 1951. 3 figs., maps. DWB--A not very technical summary of available knowledge on the reflection of light from the surface of water, the quantitative characteristics of the optical properties of water such as extinction, diffusion of light in water, transparency of sea water and the color of the seas and of sea water. (Same item as 44-111 April 1953 M 4 B). Subject Headings: 1. Albedo of sea surfaces. 2. Optical properties of sea water - I.L.D.

VRASKIV, S. B.

Meteorological Abst.  
Vol. 4 No. 4  
April 1953  
Part 1  
Radiation and  
Temperature

44-133 551.521.14:551.463:535  
Vraskiv, S. B., Opticheskie svoistva morskoi vody. [Optical properties of sea water.]  
*Priroda*, Moscow, 40(12):3-11, Dec. 1951. 3 figs., eqs. DWB--A not very technical summary of available knowledge on the reflection of light from the surface of water, the quantitative characteristics of the optical properties of water such as extinction, diffusion of light in water, transparency of sea water and the color of the seas and of sea water. *Subject Headings:*  
1. Albedo of sea 2. Optical properties of sea water. --I.L.D.

VRATARIC, S.

Electronic equipment for the regulation of lathe machinery. p. 34.

TESLA. (Jugoslovensko drustvo "Nikola Tesla" za unapredjenje nauke i tehnike)  
Beograd, Yugoslavia. Vol. 6, no. 3, May/June 1959.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, no. 8, Aug. 1959.

Uncl.

VRATIL, L.; KRAUS, F.

Automatic grinding machine for rough structure of railway cars.  
Stroj vyr 9 no.5:259 '61.

1. Vagonka Tatra, Smichov.

**VRATIL, Ladislav**

Applying coating materials in the electrostatic field.  
Stroj vyr 10 no.10:523 0 '62.

1. Vagonka Tatra, n.p., Smichov.

VRATIL, Ladislav

Experience with the manual electrostatic sprayer. Zel dcp tech  
10 no.7:211 '62.

VYRATISLAV, GREGR

CZECH

✓ Recovery of sulfur, sulfur and nitrogen compounds, combustible gases, and calcium fertilizers from sewage and other waste liquors by fermentation with simultaneous biological purification Václav Jindřich Bartoš and František Gregr Czech 53,458, Jan 25 1958. Mash tank 1000 hectol. working on the av. 1.5 g. S and 0.5 g. N per l. is fermented in a closed tank containing 2-3 tons of Pe shavings with a 20 hectol. inoculum of rod-shaped bacteria-splitting bacteria (e.g. *Clostridium*) for 8-12 hrs. at 30-32°. Then the mixt. is fermented with a 100 hectol. inoculum of *Sulfobacillus desulfuricans* for 48-60 hrs. at 20-24°. Excess H<sub>2</sub>S is then expelled by stirring, and 20°Be<sup>6</sup> lime water is added to pH 8-8.5. Following sedimentation, the clear supernatant liquid is removed to another tank, and the ppt., is completed by adding lime water to pH 11.5. Removal of NH<sub>3</sub> by zinc, followed by sedimentation. The clear liquid is mixed with river water in the ratio 1:5 and discarded. H<sub>2</sub>S arising during the fermentation is recovered by the arsenite method. Combustible gases are removed and burned. The pyrid. sediment is sepd. The process yields: 55 kg. S (bound in the sediment), 60 kg. elementary S (from H<sub>2</sub>S), 0.1 kg. N (bound in the sediment), 10.5 kg. N (as NH<sub>3</sub>), 32.5 cu. m. CH<sub>4</sub>, 32.5 cu. m. H<sub>2</sub> and 300 kg. lime fertilizer. L. f. II.

C  
H (3)

VRATISLAV, HLUBUCEK

CZECHOSLOVAKIA/Radio Physics - Radiation of Radio Waves. Transmission I-4  
Lines and Antennae

Abs Jour : Ref Zhur - Fizika, No 7, 1958, No 16236

Author : Hlubucek Vratislav

Inst : Not Given

Title : Fundamentals of the Calculation of a High Power Load

Orig Pub : Slaboproudý obzor, 1957, 18, No 7, 420-425

Abstract : Conditions are derived for uniform absorption along a load with a minimum SWR. The condition for uniform absorption of power by all the walls of the waveguide is derived. Indications are given for practical calculations.

Card : 1/1

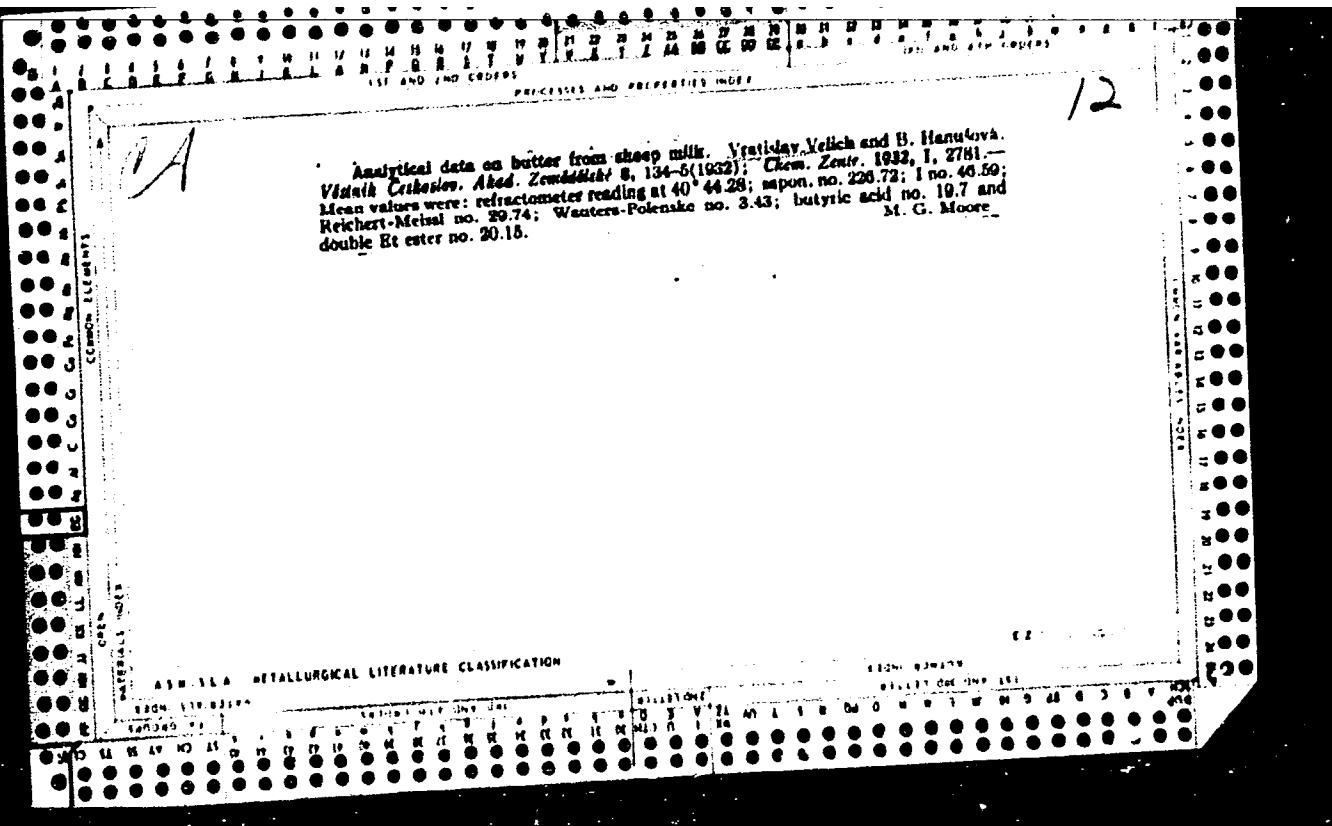
38

**VRATISLAV, Jonas**

Clinical manifestations in aged and their prevention; need for care  
of middle aged. Cas. lek. cesk. 96 no. 37:1157-1162 13 Sept 57.

1. Klinika nemoci vnitrnich lekarske fakulty hygienicke university  
Karlov.

(AGING,  
prev. care in middle aged (Cx))



Determination of dimethylaminocarbenzene and its detection in margarine and in butter adulterated with margarine. VÁCLAV VALÍČEK. Chem. Obzor 6, No. 90, 121-4.

138-47(147 English)(1931).—Dimethylaminoozobenzene is extd. from fat by repeated shaking with 15% HCl and the combined products are compared with a standard soln of the dye in 15% HCl. Various effects which might cause changes in quantity of dimethylaminoozobenzene or influence the results of its detn. were studied. Losses of this indicator may occur by the action of sunlight as well as by heating to a higher temp., e. g., 100°. The rancidity of fats and action of air have no effect on the quantity of the dye. Before colorimetric detn., it is necessary to ascertain whether no other coloring substance passes into the acid. For this purpose, examn. of absorption spectra gives good results. The decrease of intensity of the Baudouin reaction in sesame oil is caused by the effect of light, air, rancidity and heating above 60°; this is the case even if the sesame oil is mixed with other fats. The effect of light is more obvious in a mixt of sesame oil with butter than when both these components are exposed to sunlight separately. Various fats on exposure to light or air yield substances which give a brown color to HCl, the color being increased by addition of furfural. It is concluded that the dimethylaminoozobenzene test is a better means of detecting margarine than the sesame-oil test.

J. KUCERA

APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R001961210014-6"

On the Point Transformation in Two Variables Which is Linear in One of the Variables  
873:

Vrânceanu, G. G. Sur les transformations ponctuelles<sup>16</sup>  
en deux variables, linéaires dans une des variables. An.  
Univ. "C. I. Parhon" Bucureşti. Ser. Sti. Nat. 7 (1958).  
no. 18, 19-22. (Romanian. Russian and French summaries)

The connection of  $A_3$  under the condition that linear  
transformations of the form  $u^1 = \alpha x + \beta$ ,  $u^2 = \alpha x + b$  exist,  
where  $\alpha$ ,  $\beta$ ,  $a$  and  $b$  are functions of  $y$ , is studied. There  
exists one family of characteristic curves  $\Gamma_{12}^1 dy^2 +$   
 $(2\Gamma_{12}^1 - \Gamma_{22}^2) dy^2 dx - 2\Gamma_{12}^2 dy dx^2 = 0$  parallel to the  $x$ -  
axis. If two such families exist of this form  $dy = 0$ , then  
 $\Gamma_{12}^2 = 0$  and the transformation can be written in the

form  $u^1 = \alpha x + \beta$ ,  $u^2 = b \neq 0$ . Transformations of the third  
type (for which  $2\Gamma_{12}^1 = \Gamma_{22}^2$ ) can be written  $u^1 = b^2 x + \beta$ ,  
 $u^2 = b$ . D. J. Struik (Cambridge, Mass.)

PHASE I BOOK EXPLOITATION

GER/6412

Fink, Zdeněk, Docent, Doctor of Medicine; Vratislav Hrdina, Doctor of Medicine; Antonín Jakl, Doctor of Medicine; Miroslav Krejcar, Doctor of Medicine; Milan Pospíšil, Doctor of Medicine; Jiří Tulach, Doctor of Medicine; and Vladislav Vondráček, Doctor of Medicine.

Der Gesundheitsschutz gegen chemische Kampfstoffe (Sanitary Protection Against Chemical Warfare) Berlin, VEB VG, 1962. 219 p.  
No. of copies printed not given.

Translated from the Czech by G. J. Wojtek.

PURPOSE: This book is intended for physicians and medical students. It may also be useful in the special training of medical corpsmen.

COVERAGE: The book presents basic data on poisonous weapons, vesicant agents, and irritant toxic agents. It discusses the present state of development and future possibilities for new types of

Card 1/62

Distr: 4E3c/4E3d

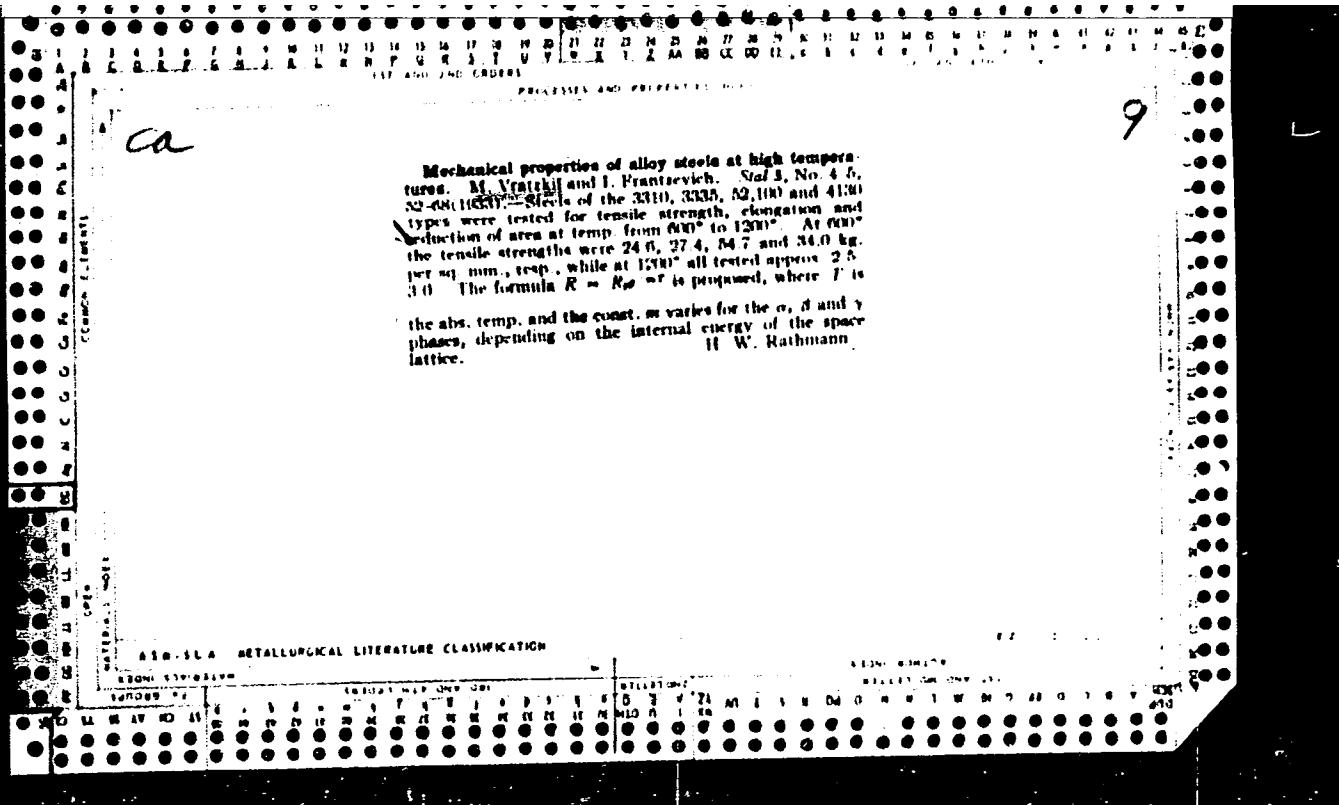
<sup>27</sup>  
[Atomic power station with a closed helium cycle. Josef  
Kott and Vratislav Šašek (V. I. Lenin Plant, Pilsen, Czech.)  
Jaderná energie 4, 155-6 (1958).—The advantages and dis-  
advantages of He as coolant are discussed. A heat calcn.  
is presented for a He cycle in a (theoretical) at. power sta-  
tion, where a 2-cylinder compressor is used with intermediate  
cooling, as well as a 2-cylinder turbine with a regenera-  
tion of the He exhaust heat after the He has passed through  
the low-pressure part of the turbine. A table is presented  
showing all the needed values, such as pressures and temps  
in the turbines, for an installation. 16 references.  
Werner Jacobson.]

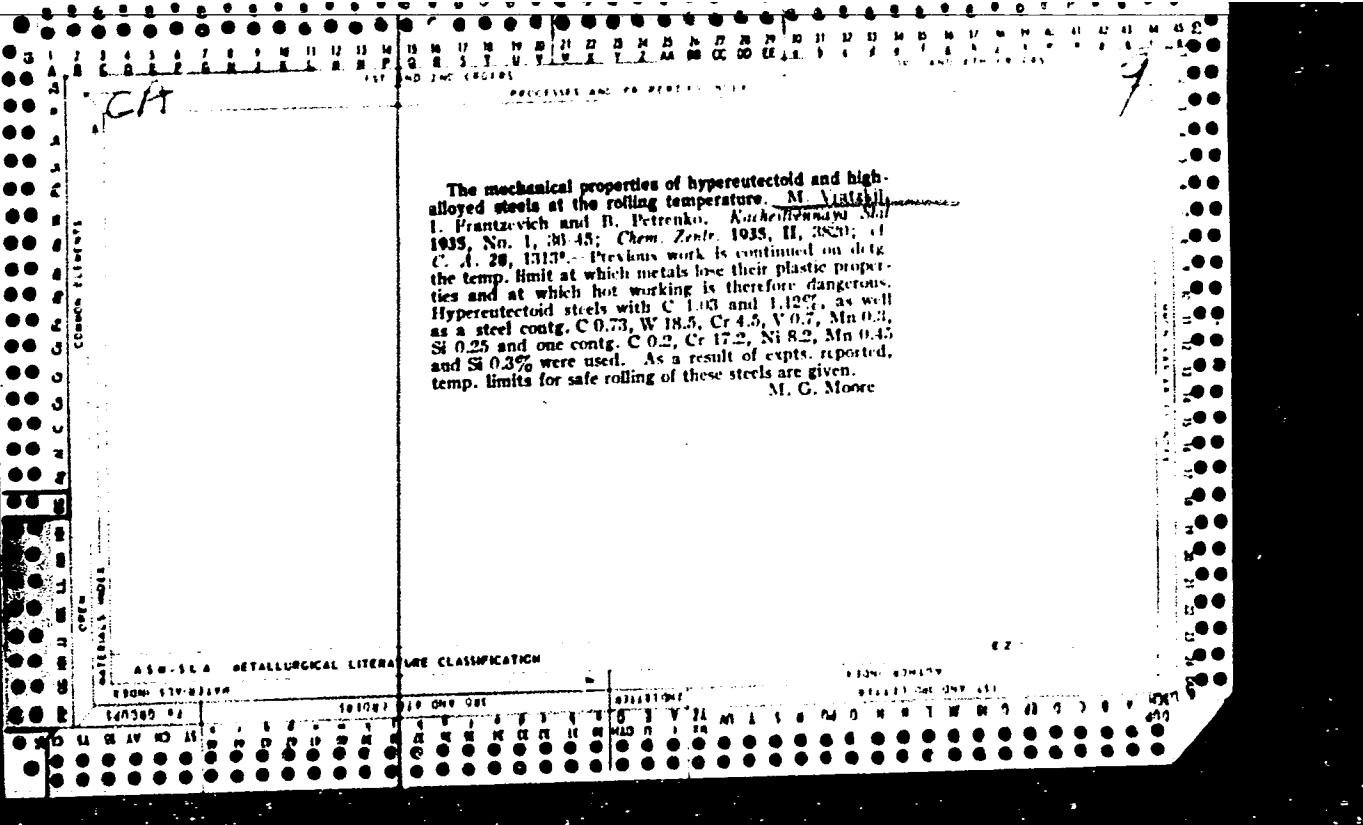
5  
2

STRAUSS, J.; REISTETTER, J., laboratorni spoluprace VRATNA, M.; MIKESOVA, V.

Ornithosis in eastern Slovakia. Isolation and identification of  
ornithosis strains in men and ducts. Cesk.epidem.mikrob.imun. 9  
no.3:163-172 Ap '60.

1. Ustav epidemiologie a mikrobiologie v Praze — Krajska hygienicko-  
epidemiologicka stanice v Presove.  
(ORNITHOSIS epidemiol.)

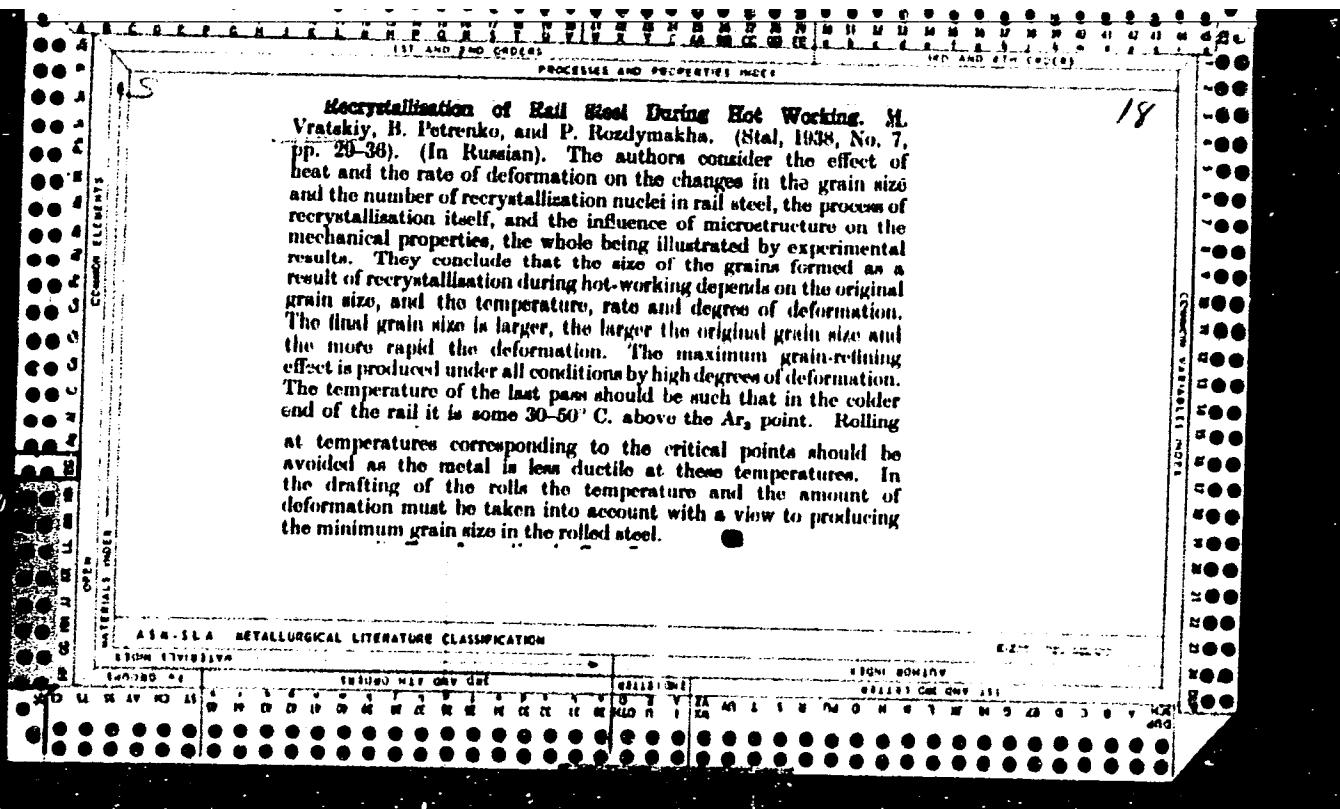


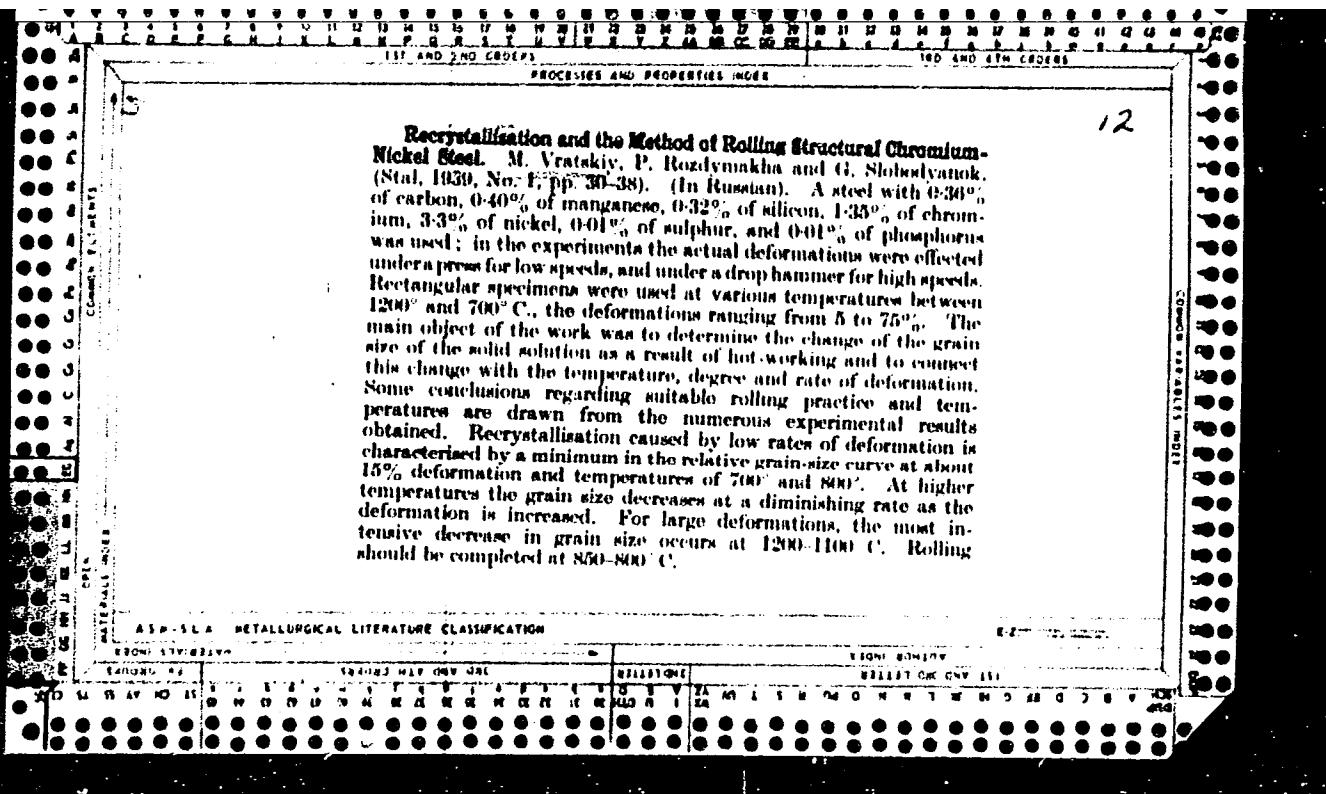


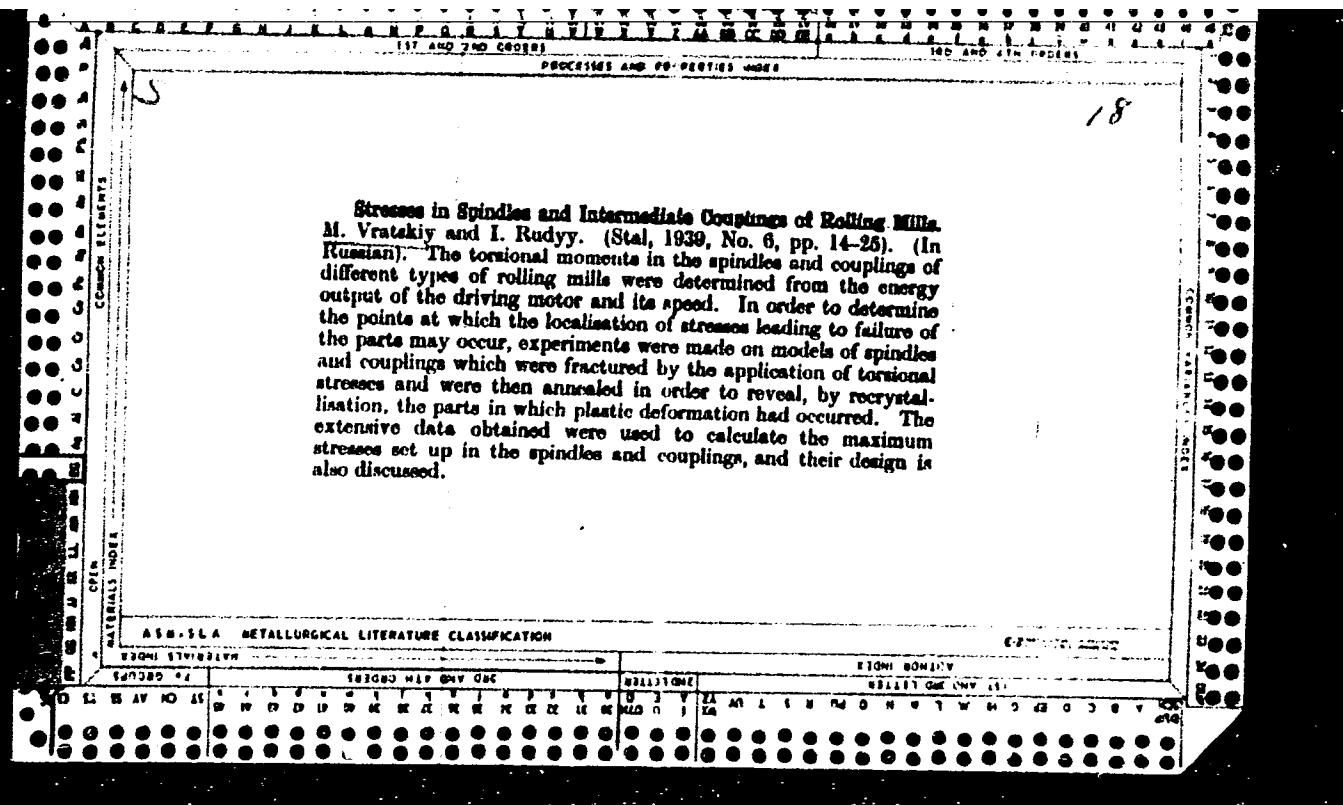
CK 9  
Hardening by pressure. M. V. Vratskil. *J. Tech. Phys.* (U. S. S. R.) 5, 1178-82(1956) By surrounding a heated steel sample (0.4-0.75% C) in a matrix with another heated matrix and then subjecting the sample to pressure (15,000 kg./sq. cm.) a max. speed of cooling of 70° per sec. was obtained. The curve of cooling showed that the shift in the critical points is not due to the increase in speed of cooling under pressure. P. H. R.

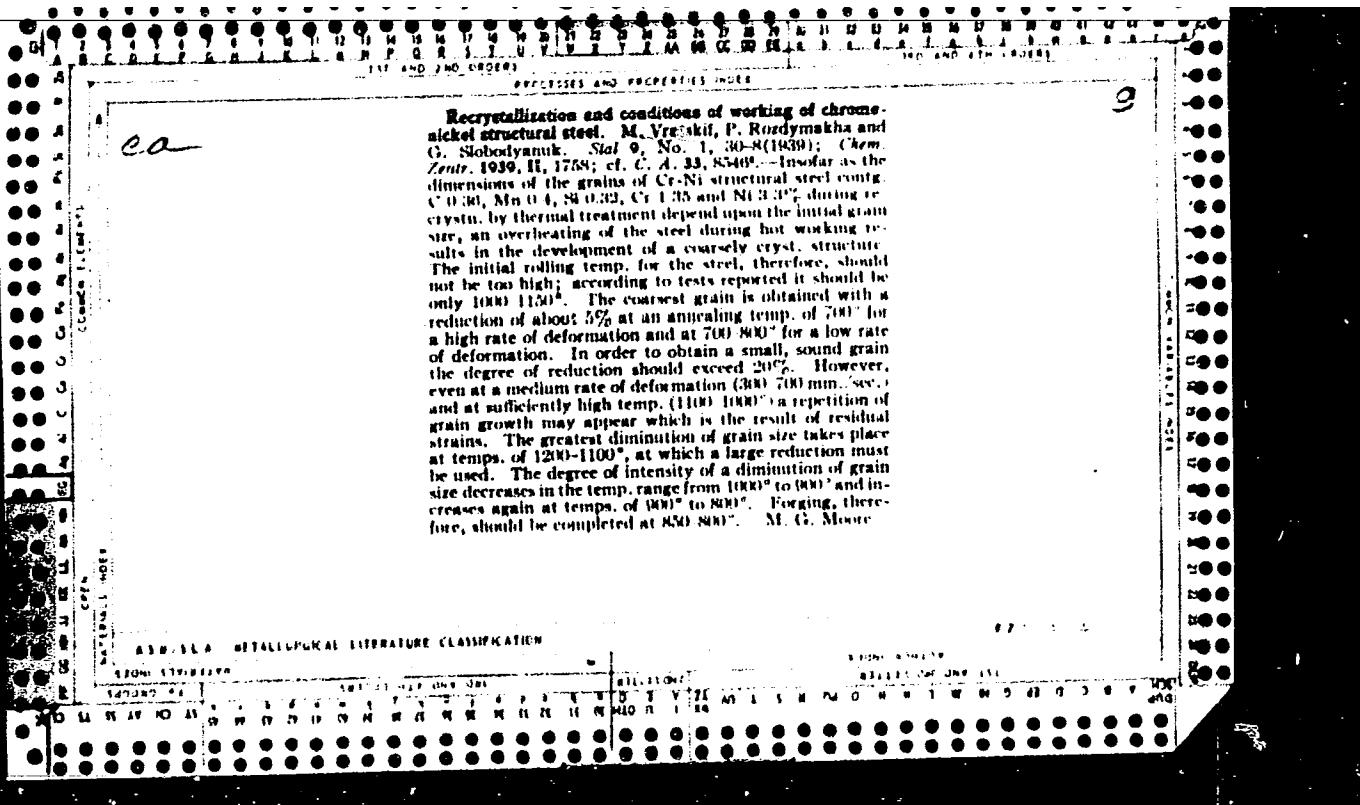
ASH-SLA METALLURGICAL LITERATURE CLASSIFICATION

STANDARD SUBJECT	SEARCHED	INDEXED	FILED
1673097 21	✓	✓	✓









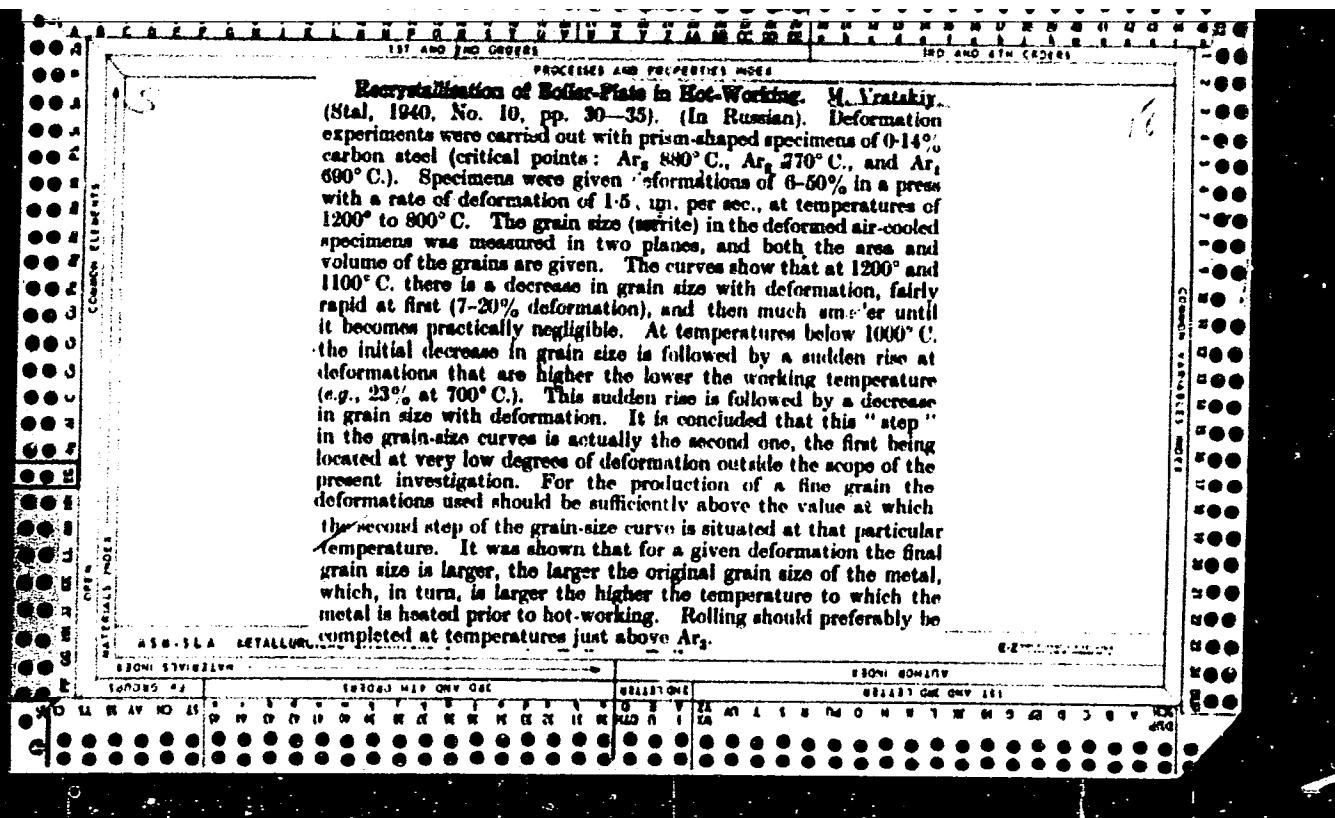
12

The Filling of Rectangular and Diamond Passes in the Rolling of certain Alloy Steels. M. Vratalky. (Stal, 1940, No. 3, pp. 24-25). (In Russian). The author describes an investigation of the rolling of the three following steels: (1) A ball-bearing steel containing carbon 1.04%, silicon 0.19%, manganese 0.30%, nickel 0.10% and chromium 1.36%; (2) a structural steel containing carbon 0.14%, silicon 0.22%, manganese 0.35%, nickel 3.00% and chromium 0.00%; and (3) a silicon steel containing carbon 0.35%, silicon 2.50%, manganese 0.34%, nickel 0.11% and chromium 0.90%. For rectangular passes the following expression was deduced:  $\gamma = \mu_r (1 - m \tan \alpha)$  where  $\gamma$  is the coefficient of free spreading numerically equal to the ratio of the final to initial width of the stock;  $\mu_r$  is the mean coefficient of reduction,  $\alpha$  is the angle of grip calculated from the linear reduction and the effective diameter of the roll corresponding to the centre of the pass. The value of the coefficient  $m$  was determined for the alloy steels for certain conditions of rolling. When rolling through diamond passes the following expression for the filling of the passes or spreading can be used:

$$\gamma = \frac{\theta + \mu_r}{\phi \tan \beta/2},$$

where  $\gamma$  is again the coefficient of free spreading and numerically equal to the ratio of the final to initial width of the stock measured along its horizontal diagonal,  $\mu_r$  is the mean coefficient of reduction equal to the ratio between mean height of the stock entering the pass and the height of the pass;  $\phi$  is the width of the

stock entering the pass and  $\beta$  is the value of the obtuse angle of the pass. The value of the coefficient  $\delta$  was determined for the alloy steels under certain conditions of rolling.  $\delta$  is a function of the angle of grip  $\alpha$ .



VRASKIY, S. B.

Def. at  
Tbilisi State U.



**Graduation for degree of  
Candidate Physico-Mathematical Sciences**

Czechoslovakia/Microbiology. Sanitation Microbiology F

Abs Jour : Ref Zhur-Biol., No 13, 1958, 57626

Author : Vymetal F., Vratil B.

Inst : Not given

Title : Bacteriological Investigation of the Water of  
Moravitsa River and its Tributaries

Orig Pub : Sbor. Vysoke skoly zemed, a sesn. Brne, 1957,  
A, No 1, 33-40

Abstract : No abstract

Card 1/1

37

MALYKIN, R.Ya., professor; LAPTEV, V.A., dotsent; VRAYTSKIV, A.V., kandidat  
meditsinskikh nauk; STRIGIN, I.B., nauchnyy sotrudnik

The state of cerebral currents in eczema, neurodermitis and nettle  
rash and changes following novocain and sleep therapy. Vest.ven. i  
derm. 30 no.5:3-10 S-0 '56. (MLRA 9:12)

1. Iz otdela dermatologii (zav. - prof. N.S.Smelov) i otdela patofiziologii (zav. - prof. R.Ya.Malykin) TSentral'nogo nauchno-issledovatel'skogo kozhnovenereologicheskogo instituta (dir. - dotsent N.M.Turanov)  
Ministerstva zdravookhraneniya RSFSR.

(ECZEMA, ther.

procaine & sleep ther., EEG)

(NEURODERMATITIS, ther.

same)

(URTICARIA, ther.

same)

(PROCAINE, ther. use

eczema, neurodermititis & urticaria, with sleep ther., EEG)

(SLEEP, ther. use

eczema, neurodermitis & urticaria, with procaine ther., EEG)

(ELECTROENCEPHALOGRAPHY, in various dis.

eczema, neurodermatitis & urticaria, eff. of procain &  
sleep ther.)

VRAZALIC, Esref, pukovnik

Some reminiscences related to illegal activities of the geome ricians  
in the period 1939-1941 at Subotica. Geod list 16 no.1/3:131-135 '62.

J, Jugoslovenska narodna armija.

VRAZALIC, MILUTIN

Vrazalic, Milutin - Izgradnja farmi. Beograd, Grajevinska knjiga, 1953. 162, (6) p.  
(Building of farms. illus., bibl., diagrs.)

CU Not in DLC

SO: Monthly List of East European Accessions List (EEAL) LC, Vol 4, No. 11  
November 1955, Unclassified.

VRAZEL, M.

The problem of creating time standards and the opinion of experts in West Germany. p.87.  
(Kozarstvi, Vol.7, no.4, Apr 1957) Praha

SO: Monthly List of East European Accession (EEAL) LC, Vol. 6 no. 7, July 1957. Uncl.

VRAZEL, Mileslav

Synthetic materials in shoemaking. (To be contd.) Kozarstvi  
13 no.2:59-60 F '63.

1. Svit, Gottwaldov.

VRAZEL, Miloslav

Excerpts from the technical literature on direct sole  
vulcanization. Kozarstvi 13 no.9:275-277 S '63.

l. Svit, n.p., Gottwaldov.

VRAZEL, Miloslav

Injection and slush molding in the shoe production.  
Kozarstvi 14 no. 3: 91-93 Mr '64.

1. Svit National Enterprise, Gottwaldov.

VRAZEL, Miloslav

Excerpts from the technical literature on direct vulcanizing  
of soles on shoes. Kozarstvi 13 no. 11: 340-342 N '63.

1. Svit, n.p., Gottwaldov.

VRAZEL, Miloslav

Excerpts from the technical literature on direct vulcanizing  
of soles on shoes. Kozarstvi 13 no. 11: 340-342 N '63.

1. Svit, n.p., Gottwaldov.

VRAZEL, Miloslav

Injection molding and slush molding in shoemaking.  
Kozarstvi 14 no. 2: 51-54 F '64.

1. Svit, n.p., Gottwaldov.

VRAZEL, Miloslav

Synthetic materials in shoemaking. Kozarstvi 13 no.4:  
126-130 Ap '63.

l. Svit, Gottwaldov.

VRAZEL, Miloslav

Excerpts from the technical literature on direct sole molding.  
Kozarstvi 13 no.8:244-246 Ag '63.

1. Svit, n.p., Gottwaldov.

VRAZEL, Miloslav

Heat setting of shoe uppers. Tovarstvi L4 no. 9t263-269 Ag '64.

1. Svit National Enterprise, Gottwaldov.

VRAZEL, Miloslav

PVC plastisols in shoe production. Kozarstvi 14 no.10:  
292-299 O '64.

1. Svit National Enterprise, Gottwaldov.

VRAZEL, Miroslav

Synthetic materials in shoemaking. Kozarstvi 13 no. 3:94-97  
Nr 763.

1. Svit, Gottwaldov.

VBAZHOVA, K.M., zootehnik; SHEINA, A.Ye., zootehnik

Pine needles as a source of vitamins for hens and chickens.  
Ptitsevodstvo 9 no.1:42 Ja '59. (MIRA 12:1)

1. Kovylkinskiy ptitsesovkhоз Mordovskoy ASSR.  
(Poultry--Feeding and feeding stuffs)

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